

**ABSTRACT**

A pair of openings (302) symmetrically disposed around an optical axis of the reflector (412) is formed on a contact surface of a light-transmissive plate (301) and the reflector (412) and a cooling channel (340) for introducing cooling air to a source lamp (411) through the pair of openings (302) and a first and a second cooling channel shutters (350, 360) for shutting the cooling channel (340) when the case is detached from a projector (1) are provided on a case (300). The source lamp (411) can be efficiently cooled, so that the life of the source lamp (411) can be lengthened. Even when a light-emitting tube of the source lamp (411) is exploded while using the projector (1), the fragments of the light-emitting tube do not fall outside in exchanging the light source (413), and cooling efficiency of the source lamp (411) is not impaired.

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